The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1.   (Currently Amended) A compressor comprising:

a compressor mechanism configured to compress fluid, the compressor mechanism including a discharge port; and

a reed valve coupled to the compressor mechanism to open and close the discharge port of the compressor mechanism, the reed valve including a flat part and a protruding part formed at a distal end of the flat part to come in and out of the discharge port,

the shape of the discharge port and the shape of the reed valve being dimensioned to satisfy

$S2 \geq S1 \geq S0$, where

S0 is an opening area of an inlet of the discharge port,

S1 is a smallest cross sectional area of a flow passage formed between the protruding part and the discharge port when the reed valve is lifted to a maximum level,

S2 is a smallest cross sectional area of a flow passage formed between the flat part and an outer periphery of an outlet of the discharge port when the reed valve is lifted to the maximum level, with

the discharge port being tapered from the outlet to the inlet, [[and]]

the protruding part being tapered toward a distal end thereof substantially in a same shape as the discharge port, [[and]]

an end face of the protruding part being [[is]] substantially flush with a rim of the inlet of the discharge port when the protruding part enters the discharge port to close closed the discharge port, and

a constant space being provided between a slope surface of the protruding part and a corresponding slope surface of the discharge port when the protruding part enters the discharge port to close the discharge port.

2.   (Cancelled)

3.   (Previously Presented)   The compressor of claim 1, wherein
a seat is formed at the outer periphery of the outlet of the discharge port such that the
seat contacts the flat part.

4.   (Cancelled)